

Title (en)
BLOWER AND AIR CONDITIONER

Title (de)
GEBLÄSE UND KLIMAAANLAGE

Title (fr)
SOUFFLERIE ET CLIMATISEUR

Publication
EP 1803942 A4 20121128 (EN)

Application
EP 05781942 A 20050906

Priority
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• JP 2004282405 A 20040928

Abstract (en)
[origin: US2007116559A1] An air conditioner includes a centrifugal fan and a unit casing that houses the centrifugal fan. The centrifugal fan includes an impeller and a scroll casing that houses the impeller. The unit casing has a unit intake port that opens in a direction crossing an opening direction of a scroll intake port. At a circumferential portion of the scroll intake port of the scroll casing, there is formed a bulged portion with an inner surface that is formed evenly in a circumferential direction and an outer surface portion formed away from the unit intake port that bulges out to a side opposite the impeller.

IPC 8 full level
F04D 29/44 (2006.01); **F04D 29/42** (2006.01); **F24F 1/0083** (2019.01); **F24F 13/08** (2006.01)

CPC (source: EP KR US)
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Citation (search report)
• [AD] JP 2002106945 A 20020410 - DAIKIN IND LTD
• [A] JP H09126193 A 19970513 - DENSO CORP
• [A] JP 2003056496 A 20030226 - NORITZ CORP
• [A] US 820399 A 19060515 - DAVIDSON SAMUEL CLELAND [IE]
• [A] JP 2001124360 A 20010511 - DAIKIN IND LTD
• See references of WO 2006035574A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2007116559 A1 20070524; US 7461518 B2 20081209; AU 2005288445 A1 20060406; AU 2005288445 B2 20081106; CN 100434725 C 20081119; CN 1906419 A 20070131; EP 1803942 A1 20070704; EP 1803942 A4 20121128; EP 1803942 B1 20131106; ES 2443650 T3 20140220; JP 2006097502 A 20060413; JP 4747542 B2 20110817; KR 100790182 B1 20080102; KR 20060090839 A 20060816; WO 2006035574 A1 20060406

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